FAX TRANSMISSION

DATE: February 27, 2003
CLIENT NO.: 21029-00182-US (US App. No. 09/343,684)
MESSAGE TO: Examiner Vincent
COMPANY: USPTO
FAX NUMBER: 703-872-9790
PHONE:
FROM: Morris Liss
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PAGES (Including Cover Sheet): 5 **HARD COPY TO FOLLOW:** ☐ YES ☒ NO

MESSAGE:

UNOFFICIAL

Attached is an unofficial copy of our proposed response in response to the Office Action dated 12/4/02.

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Docket No.: 21029-00182-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Alicja Borysowicz, et al

Application No.: 09/343,684 Group Art Unit: 1731

Filed: June 30, 1999 Examiner: S. Vincent

For: APPARATUS FOR CONTROLLING GLASS MELTING AND/OR REFINING FURNACES

REQUEST FOR RECONSIDERATION

February 27, 2003

BOX AF
Commissioner for Patents
Washington, DC 20231

Dear Sir:

In response to the Office Action dated December 4, 2002, finally rejecting claims 10 and 12-18, the Examiner is requested to consider the following remarks.

REMARKS

Claims 10, 12-14, and 16-18 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Aoki (U.S. Patent No. 5,272,621) in view of Haissig (U.S. Patent No. 5,822,740) and Victor (IEEE Article). The Examiner relies upon Aoki for its teaching of using fuzzy logic with fuzzy prediction in a glass melting furnace. However, the claims are directed towards far more than that objective. Independent claim 10 includes a predictive network which defines various set point values assigned to furnace actuators. Storing operator set points corresponding to manual operation of the furnace actuators is also provided. A fuzzy logic controller is connected to a plurality of sensors, image means, the predictive network, and operator set point storing means and generates a plurality of output signals for respective actuators that will control melting in the furnace.